

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

PROPOSED

Title V / Synthetic Minor, Construction / Operating

Permit ID: V-05-037(R1)

R. R. Donnelley & Sons Company, Danville Plant

Danville, KY 40422

June 27, 2007

Elahe Houshmand, Reviewer

SOURCE ID: 21-021-00037

SOURCE A.I. #: 381

ACTIVITY ID: APE20070001

SOURCE DESCRIPTION:

The Kentucky Division for Air Quality (KYDAQ) received an air permit application for a revision to the R. R. Donnelley & Sons Company, Danville Plant Title V permit, V-05-037, on January 29, 2007. The requested significant revision changes listed in the application are as follows:

1. Add a new heatset lithographic printing press KDM-892 (EP 15).
2. Remove presses KDM-881 [03 (03)] and KDM-887 [10 (31)].
3. Add a new regenerative thermal oxidizer (RTO #4). In addition, the recuperative thermal oxidizer #1 will remain in service until the new regenerative thermal oxidizer, RTO #4, is operational. Following start-up of RTO#4, recuperative thermal oxidizer #1 will be used only as an emergency back-up control.

The VOC emissions from press KDM-892 (EP 15) shall be limited to less than 36 tons per year, which will limit the VOC emissions to below the Prevention of Deterioration threshold of 40 tons per year. The facility shall demonstrate compliance with this limitation via records of materials use and VOC content, combined with the thermal oxidizer control system.

The VOC emissions limitation of 36 tons per year from press KDM-892 (EP 15) would reduce its HAP emissions to below the major source threshold limits. As a result, this unit shall not have any HAP emission limits.

VOC destruction efficiency of the new regenerative thermal oxidizer #4 shall be tested in accordance with the requirements of SECTION G.4 of the permit.

PUBLIC AND AFFECTED STATE REVIEW:

On May 25, 2007, the public notice on availability of the draft permit and supporting materials for comments by persons affected by the plant was published in THE ADVOCATE MESSENGER in Danville, Kentucky. The public comment period expired 30 days from the date of publication. No states are affected by this permit action.

COMMENTS RECEIVED:

Comments were received from R.R. Donnelley & Sons Company on June 25, 2007. For more detail on the comments and their responses, please see attachment B.

Minor changes were made to the permit, as a result of the comments received, however the Division has concluded that the changes do not require another public notice and the proposed operation will comply with all air quality regulations and requirements. Therefore, the Division has made a final determination to issue a proposed permit. A final permit will be issued after the U.S. EPA's 45-day review.